FS-1030D

Operation Guide

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Legal and Safety Information

CAUTION: No liability is assumed for any damage caused by improper installation.

Notice on Software

Software used with this printer must support the printer's emulation mode. The printer is factory-set to emulate the PCL.

Notice

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No responsibility is assumed if accidents occur while the user is following the instructions in this guide. No responsibility is assumed for defects in the printer's firmware (contents of its read-only memory).

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FCC statement (for users in the United States)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This equipment may cause harmful interference to radio or television reception. This can be determined by turning the equipment off and on. If interference is experienced, you should to try to correct it by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that used for the receiver.

- Consult your service technician or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment. Shielded circular cables should be used for interfacing with the computer.

Precautions for Use

Any modifications without prior permission of Kyocera may cause harmful interference.

If any modifications or changes are made to this equipment without prior permission of Kyocera, Kyocera as the manufacturer does not guarantee the compliance with the FCC Rules. The use of equipment that does not comply with the FCC Rules is prohibited.

Interface connectors

IMPORTANT: Be sure to power off the printer before connecting or disconnecting an interface cable. For protection against static electricity discharge to the printer's internal electronics through the interface connector(s), cover any interface connector that is not in use with the protective cap supplied.

NOTE: Use shielded interface cables.

Safety information

Laser safety

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation. Since radiation emitted inside the printer is completely confined within protective housings and external covers, the laser beam cannot escape from the printer during any phase of user operation.

Laser notice

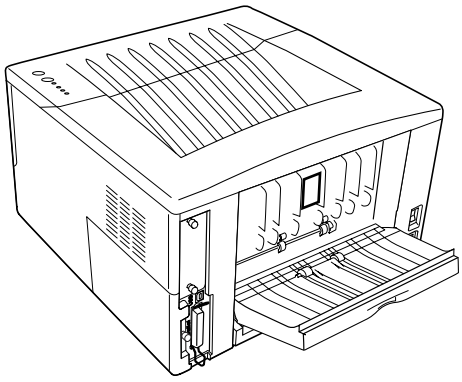
This printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 825.

DANGER:INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

CAUTION: Use of controls or ad
other than those specified herein
exposure.

Caution Labels

The printer bears any of the followi



RH) of the U.S. Food
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United States.

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on is blocked.

Declaration of Conformity for U.S.A.

Model Number: Laser Printer FS-1030D (as tested with enhancement optional units: PF-17, IB-21E.)
Trade Name: Kyocera Mita
Responsible Party: Kyocera Mita America Inc.
Address: 225 Sand Road PO Box 40008 Fairfield,
New Jersey 07004-0008, U.S.A.
Telephone number: (973) 808-8444
Fax number: (973) 882-6000

Manufacturer's name: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19 Nojino, Tamaki-Cho, Watarai-Gun, Mie-Ken 519-0497, Japan

This device complies with Part 15 of the FCC Rules, Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

- User's instruction that conforms to the applicable specifications.
- Technical drawings.
- Descriptions of the procedures that guarantee the conformity.
- Other technical information.

Kyocera Mita America Inc.

CE Marking Directive

According to *Council Directive 89/336/EEC and 73/23/EEC*
Manufacturer's name: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19 Nojino, Tamaki-Cho, Watarai-Gun, Mie-Ken 519-0497, Japan

Declares that the product:

Product name: Page Printer
Model number: FS-1030D (as tested with the enhancement optional unit: PF-17 and IB-21E)

Conforms to the following product specifications.

- EN 55 022:1998+A1:2000+A2:2003 Class B
- EN 61 000-3-2:2000
- EN 61 000-3-3:1995+A1:2001
- EN 55 024:1998+A1:2001+A2:2003
- EN 60 950:2000
- EN 60 825-1:1994+A1+A2

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

User's instruction that conforms to the applicable specifications
Technical drawings
Descriptions of the procedures that guarantee the conformity
Other technical information

Declaration of Conformity (Australia)

Manufacturer's name: Kyocera Mita Corporation Tamaki Plant
Manufacturer's address: 704-19 Nojino, Tamaki-Cho, Watarai-Gun, Mie-Ken 519-0497, Japan

Declares that the product

Product name: Page Printer
Model number: FS-1030D (as tested with the enhancement optional unit: PF-17 and IB-21E)

Description of device:
This page printer model FS-1030D is 22-ppm; A4 size and utilized plain paper; laser; dry toner etc.
The printer can be equipped with the optional paper feeder model PF-17.

Conforms to the following product specifications.

- AS/NZS 3548: 1995 (EN 55 022:1998 Class B)
- IEC 60950 (EN 60 950:2000)
- IEC 60825-1 (EN 60 825-1:1994+A1+A2)

The manufacturer and its merchandising companies retain the following technical documentation in anticipation of the inspection that may be conducted by the authorities concerned.

- User's instruction that conforms to the applicable specifications
- Technical drawings
- Descriptions of the procedures that guarantee the conformity
- Other technical information

Kyocera Mita Australia Pty., Ltd.
6-10 Talavera Road, North Ryde, NSW 2113, Australia
Phone: +61 2-9888-9999
Fax: +61 2-9888-9588

Canadian Department of Communications Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité aux normes du ministere des Communications du

Canada

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

ISO 7779

Maschinenlärminformations-Verordnung 3. GPSGV: Der höchste Schalldruckpegel beträgt 70 dB (A) oder weniger gemäß EN ISO 7779.

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Energy Star Program

As an ENERGY STAR Partner, we have determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The basic objective of the ENERGY STAR Program is to reduce environmental pollution by encouraging the manufacture and sale of equipment that uses energy more efficiently.

This printer is equipped with a sleep timer function that conforms with the standards of the ENERGY STAR Program. This function makes it possible to reduce the amount of electrical power consumed by the printer. For maximum power savings, turn off the printer's power supply when not using the printer for extended periods of time.

For details on the sleep timer function and printer power consumption, refer to this manual.

Initial settings of the sleep timer function and power saved using the sleep timer function:

Initial Sleep Mode Setting	Power Consumption in Sleep Mode
15 minutes (30 minutes)	4.3W (30W)

( ): ENERGY STAR program guideline

Group for Energy Efficient Appliances (GEEA)

The goal of GEEA is efficient use of energy. This product has a high-efficiency profile and meets the criteria for receiving the GEEA-Label.

Initial Sleep Mode Setting	Power Consumption in Sleep Mode
15 minutes (30 minutes)	4.3W (15W)

( ): GEEA criteria

Please read this Operation Guide before using the machine. Keep it close to the machine for easy reference.

The sections of this guide and parts of the machine marked with symbols are safety warnings meant to protect the user, other individuals and surrounding objects, and ensure correct and safe usage of the machine. The symbols and their meanings are indicated below.

DANGER: Indicates that serious injury or even death will very possibly result from insufficient attention to or incorrect compliance with the related points.

WARNING: Indicates that serious injury or even death may result from insufficient attention to or incorrect compliance with the related points.

CAUTION: Indicates that personal injury or mechanical damage may result from insufficient attention to or incorrect compliance with the related points.

Symbols

The following symbols indicate that the related section includes safety warnings. Specific points of attention are indicated inside the symbol.

.... [General warning]

.... [Warning of danger of electrical shock]

.... [Warning of high temperature]

The following symbols indicate that the related section includes information on prohibited actions. Specifics of the prohibited action are indicated inside the symbol.

.... [Warning of prohibited action]

.... [Disassembly prohibited]

The following symbols indicate that the related section includes information on actions which must be performed. Specifics of the required action are indicated inside the symbol.

.... [Alert of required action]

.... [Remove the power plug from the outlet]

.... [Always connect the machine to an outlet with a ground connection]

Please contact your service representative to order a replacement if the safety warnings in this Operation Guide are illegible or if the guide itself is missing. (fee required)

Installation Precautions

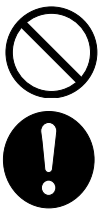
Environment

CAUTION:

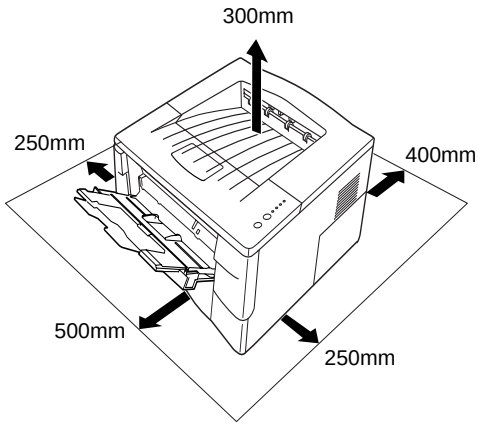
Avoid placing the machine on or in locations which are unstable or not level. Such locations may cause the machine to fall down or fall over. This type of situation presents a danger of personal injury or damage to the machine.

Avoid locations with humidity or dust and dirt. If dust or dirt become attached to the power plug, clean the plug to avoid the danger of fire or electrical shock.

Avoid locations near radiators, heaters, or other heat sources, or locations near flammable items, to avoid the danger of fire.



To keep the machine cool and facilitate changing of parts and maintenance, allow access space as shown below. Leave adequate space, especially around the vents, to allow air to be properly ventilated out of the machine.



Other Precautions

Adverse environmental conditions may affect the safe operation and performance of the machine. Install in an air-conditioned room (recommended room temperature: around 23°C, humidity: around 60% RH), and avoid the following locations when selecting a site for the machine.

- Avoid locations near a window or with exposure to direct sunlight.
- Avoid locations with vibrations.
- Avoid locations with drastic temperature fluctuations.
- Avoid locations with direct exposure to hot or cold air.
- Avoid poorly ventilated locations.

During printing, some ozone is released, but the amount does not cause any ill effect to one's health. If, however, the printer is used over a long period of time in a poorly ventilated room or when printing an extremely large number of copies, the smell may become unpleasant. To maintain the appropriate environment for print work, it is suggested that the room be properly ventilated.

Power Supply/Grounding the Machine

WARNING:

Do not use a power supply with a voltage other than that specified. Avoid multiple connections in the same outlet. These types of situations present a danger of fire or electrical shock.

Plug the power cord securely into the outlet. If metallic objects come in contact with the prongs on the plug, it may cause a fire or electric shock.

Always connect the machine to an outlet with a ground connection to avoid the danger of fire or electrical shock in case of an electric short. If an earth connection is not possible, contact your service representative.

Other Precautions

Connect the power plug to the closest outlet possible to the machine.

The power supply cord is used as the main disconnect device. Ensure that the socket/outlet is located/installed near the equipment and is easily accessible.

Handling of Plastic Bags

WARNING:

Keep the plastic bags that are used with the machine away from children. The plastic may cling to their nose and mouth causing suffocation.

Precautions for Use

Cautions when Using the Machine

WARNING:

Do not place metallic objects or containers with water (flower vases, flower pots, cups, etc.) on or near the machine. This situation presents a danger of fire or electrical shock should they fall inside.

Do not remove any of the covers from the machine as there is a danger of electrical shock from high voltage parts inside the machine.

Do not damage, break or attempt to repair the power cord. Do not place heavy objects on the cord, pull it, bend it unnecessarily or cause any other type of damage.
These types of situations present a danger of fire or electrical shock.

Never attempt to repair or disassemble the machine or its parts as there is a danger of fire, electrical shock or damage to the laser. If the laser beam escapes, there is a danger of it causing blindness.

If the machine becomes excessively hot, smoke appears from the machine, there is an odd smell, or any other abnormal situation occurs, there is a danger of fire or electrical shock. Turn the power switch off (O) immediately, be absolutely certain to remove the power plug from the outlet and then contact your service representative.

If anything harmful (paper clips, water, other fluids, etc.) falls into the machine, turn the power switch off (O) immediately. Next, be absolutely certain to remove the power plug from the outlet to avoid the danger of fire or electrical shock. Then contact your service representative.

Do not remove or connect the power plug with wet hands, as there is a danger of electrical shock.

Always contact your service representative for maintenance or repair of internal parts.

CAUTION

Do not pull the power cord when removing it from the outlet. If the power cord is pulled, the wires may become broken and there is a danger of fire or electrical shock. (Always grasp the power plug when removing the power cord from the outlet.)

Always remove the power plug from the outlet when moving the machine. If the power cord is damaged, there is a danger of fire or electrical shock.

If the machine will not be used for a short period of time (overnight, etc.), turn the power switch off (O). If it will not be used for an extended period of time (vacations, etc.), remove the power plug from the outlet for safety purposes during the time the machine is not in use.

Always hold the designated parts when lifting or moving the machine.

For safety purposes, always remove the power plug from the outlet when performing cleaning operations.

If dust accumulates within the machine, there is a danger of fire or other trouble. It is therefore recommended that you consult with your service representative in regard to cleaning of internal parts. This is particularly effective if accomplished prior to seasons of high humidity. Consult with your service representative in regard to the cost of cleaning the internal parts of the machine.

Other Precautions

Do not place heavy objects on the machine or cause other damage to the machine.

Do not open the upper front cover, turn off the power switch, or pull out the power plug during copying.

When lifting or moving the machine, contact your service representative.

Do not touch electrical parts, such as connectors or printed circuit boards. They could be damaged by static electricity.

Do not attempt to perform any operations not explained in this handbook.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Cautions when Handling Consumables

CAUTION

Do not attempt to incinerate the Toner Container. Dangerous sparks may cause burns.

Keep the Toner Container out of the reach of children.

If toner happens to spill from the Toner Container, avoid inhalation and ingestion, as well as contact with your eyes and skin.

- If you do happen to inhale toner, move to a place with fresh air and gargle thoroughly with a large amount of water. If coughing develops, contact a physician.
- If you do happen to ingest toner, rinse your mouth out with water and drink 1 or 2 cups of water to dilute the contents of your stomach. If necessary, contact a physician.
- If you do happen to get toner in your eyes, flush them thoroughly with water. If there is any remaining tenderness, contact a physician.
- If toner does happen to get on your skin, wash with soap and water.

Do not attempt to force open or destroy the Toner Container.

Other Precautions

After use, always dispose of the Toner Container in accordance with Federal, State and Local rules and regulations.

Store all consumables in a cool, dark location.

If the machine will not be used for an extended period of time, remove the paper from the cassette, return it to its original package and reseal it.

About the Operation Guide

This Operation Guide has the following chapters:

Chapter 1 - Machine Parts

This chapter explains the names of parts.

Chapter 2 - Loading Paper

This chapter explains on loading paper.

Chapter 3 - Connecting and Printing

This chapter explains on setting the printer up ready for use, and how to print from your workstation.

Chapter 4 - Maintenance

This chapter explains how to replace the toner container and how to care for your printer.

Chapter 5 - Troubleshooting

This chapter explains how to handle printer problems that may occur, such as paper jams.

Chapter 6 - Options

This chapter explains available options.

Chapter 7 - Specifications

This chapter lists the printer's specifications.

Conventions

This manual uses the following conventions.

Convention	Description	Example
Italic Typeface	References to additional information.	Refer to *page 12* for information.
Bold Typeface	Used to emphasize a key word phrase.	Push firmly on the top of the container at the positions marked **PUSH HERE**, until you hear a click.
Notes	Used to provide additional or useful information about a function or feature.	**NOTE:** For further information about the sizes and types of media that can be used, refer to *page 35* for information.
Important	Use to provide important information.	**IMPORTANT:** Ensure paper is not stapled and clips are removed.
Caution	Cautions are statements that suggest *mechanical* damage as a result of an action.	**CAUTION:** Do not attempt to incinerate the toner container. Dangerous sparks may cause burns.
Warning	Used to alert users to the possibility of *personal* injury.	**WARNING:** Keep the plastic bags that are used with the printer away from children.

1 Machine Parts

Indicators

There are four indicators located on the top right of the printer. The indicators are used to identify the status of the printer at any time. To identify the printer status, check the indicators on the printer and then refer to the table below.

Indicator	Status	Meaning
Ready (Green)	Lit	Indicates online status (printing is possible).
	Flashing	An error has occurred, but printing resumes when the key is pressed. Offline status. You cannot print, but the printer can receive data. The printer is in sleep mode.
	Off	Printing has stopped because an error has occurred.
Data (Green)	Lit	The printer is processing data.
	Flashing	The printer is receiving data.
Attention (Red)	Lit	The printer cover is open.
	Flashing	A paper jam has occurred. The cassette is not inserted properly or the paper has run out.
	Off	The printer status is normal.
Toner (Red)	Lit	The printer has stopped because the toner is exhausted.
	Flashing	The toner is running low.

NOTE: For other combinations of the four indicators, call for service. *KM-NET for Clients* (a software included in the CD-ROM) will provide more detailed information about the printer status.

Keys

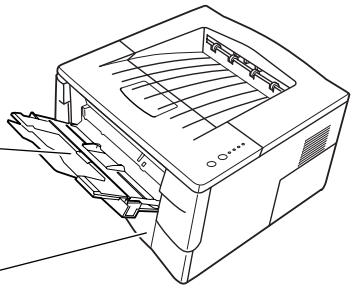
Refer to the following table for the name and description of the basic functions of each key.

Key	Status	Operation	Function
Cancel		Press for 1 second or more	Cancels the data from the PC
GO	At *Ready*	Press momentarily	Switches On-line / Off-line
		Press for 3 to 10 seconds	Prints the status page
		Press for 10 seconds or more	Prints the service status page
	At *Error*	Press momentarily	Clears the error
	After *Power On*	Press until the ↺ indicator is lit	Resets the toner counter after replacing the toner container

2 Loading Paper

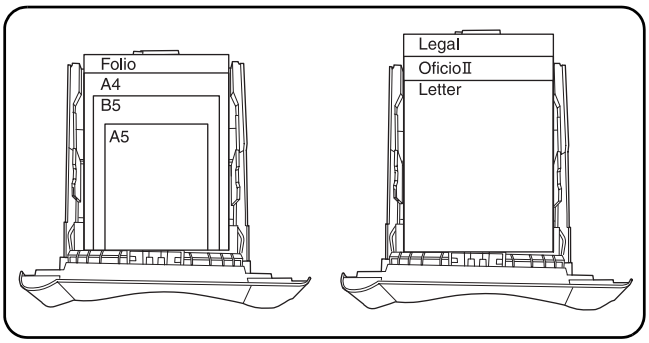
MP Tray

- 50 sheets (80 g/m^2)
- 60 to 163 g/m^2
- A4, B5 (JIS), A5, Folio, Legal, Letter, Oficio II, Statement, Executive, A6, B6, B5 (ISO), Envelope C5, Envelope #10, Envelope #9, Envelope #6, Envelope Monarch, Envelope DL, 16K, Other 70 × 148 to 216 × 356mm (2.8 × 5.8" to 8.5 × 14")



Cassette

- 250 sheets (80 g/m^2)
- 60 to 105 g/m^2
- A4, B5 (JIS), A5, Folio, Legal, Letter, Oficio II, Executive, B5 (ISO), Envelope C5, 16K, Other 148 × 210 to 216 × 356mm (4.1 × 8.3" to 8.5 × 14")



Paper Specifications

The following table summarizes the basic paper specifications:

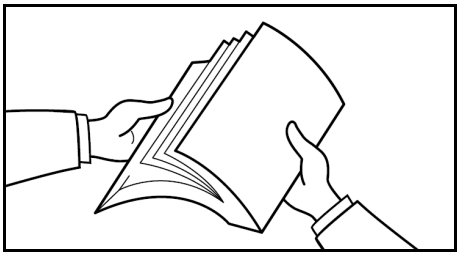
Item	Specification
Weight	Cassette: 60 - 105 g/m^2 (16 to 28 lb/ream) MP tray: 60 - 163 g/m^2 (16 to 43 lb/ream)
Thickness	0.086 to 0.110mm (3.4 to 4.3 mils)
Dimensional Accuracy	±0.7 mm (±0.0276 inches)
Squareness of Corners	90° ±0.2°
Moisture Content	4% to 6%
Direction of Grain	Long grain
Pulp Content	80% or more

NOTE: For further information about the sizes and types of media that can be used, refer to *page 35* for information.

Preparing the Paper

After removing paper from the packaging, fan through the sheets to separate them prior to loading.

If using paper that has been folded or is curled, straighten it prior to loading. Failure to do so may result in a paper jam.

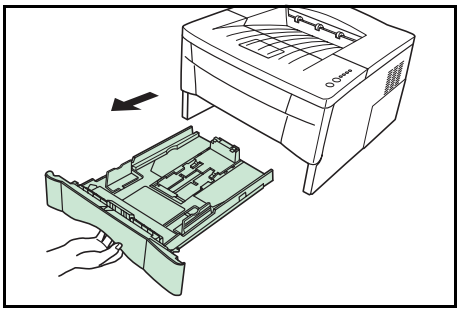


IMPORTANT: Ensure paper is not stapled and clips are removed.

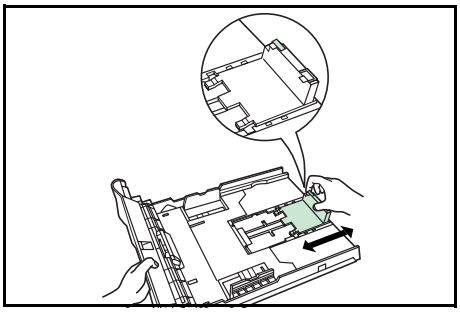
Loading Paper into a Cassette

1 Pull the cassette completely out of the printer.

IMPORTANT: When pulling the cassette out of the printer, ensure it is supported and does not fall out.

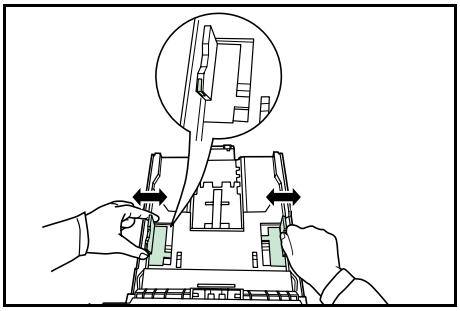


2 Adjust the paper length guide to the paper size required.

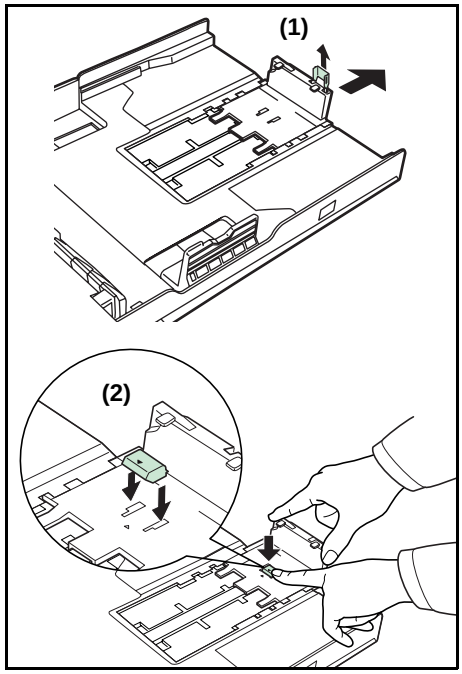


3 Adjust the position of the width guides located on the left and right sides of the cassette. Press the release button on the left guide and slide the guides to the paper size required.

NOTE: The paper sizes are marked on the cassette.

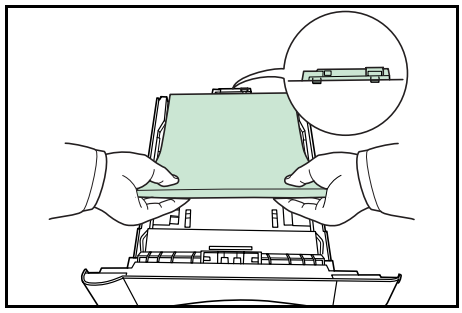


If using Folio or Oficio II paper, remove the green stopper (1) from the paper length guide and fix into position on the paper length guide (2). Pull the paper length guide towards the rear until it stops.



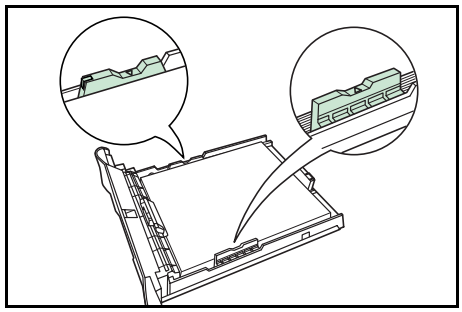
4 Load the paper in the cassette.

IMPORTANT: Always adjust the paper length and width guides before loading paper to avoid skewed paper feed and/or a paper jam.



Do not load paper above the triangle mark located on the width guide.

Ensure the side to be printed is facing down and the paper is not folded, curled, or damaged.

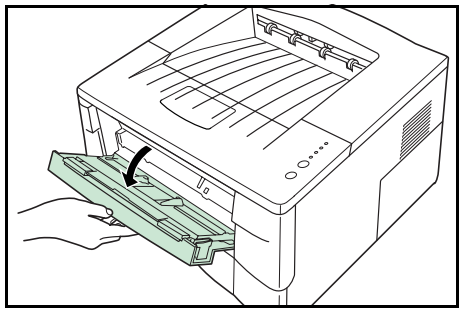


5 Push the cassette back into the printer until it stops.

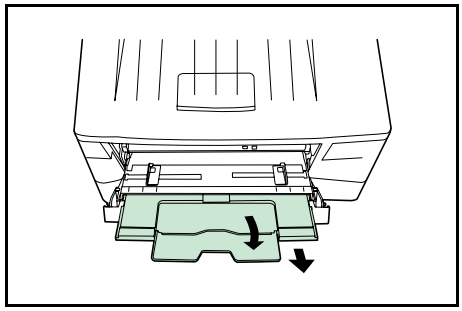
MP Tray

Paper placed on the *MP tray* is automatically fed and overrides the cassette.

1 Open the MP tray towards you until it stops.



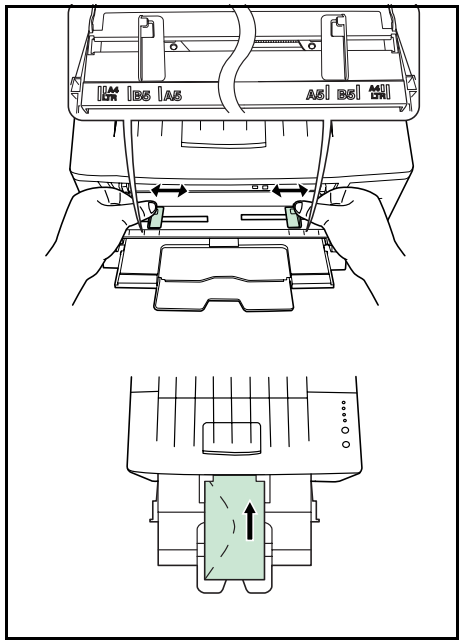
2 Pull out the subtray and unfold the flap.



3 Adjust the paper width guides and slide the paper into the tray as far as it will go. The side to be printed should be face up.

Ensure the paper width guides are flush against the edge of the paper.

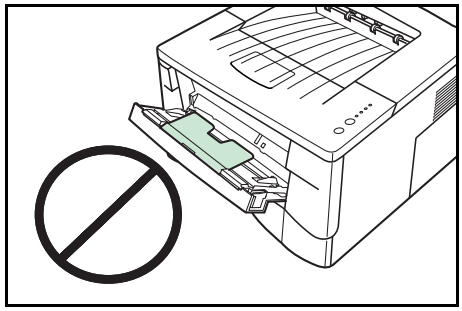
Envelopes should be fed in the face-up position, right edge first.



NOTE: Prior to purchasing envelopes, print a sample to check quality.

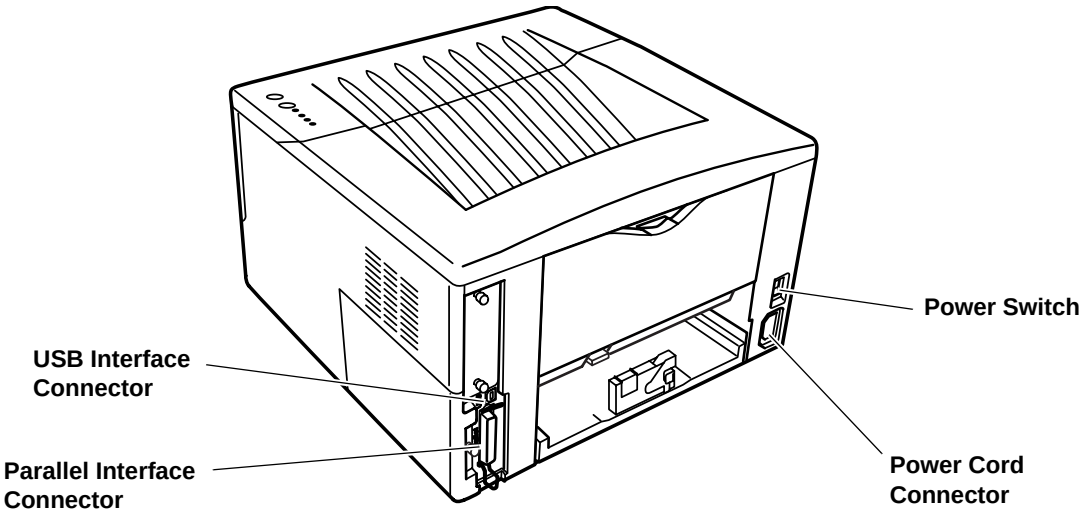
Start printing after loading the *MP tray*.

4 After use, close the flap on the subtray, then push in the subtray and close the MP tray.



NOTE: Be careful not to push the tray back into the printer with the subtray folded out horizontally as shown in the figure.

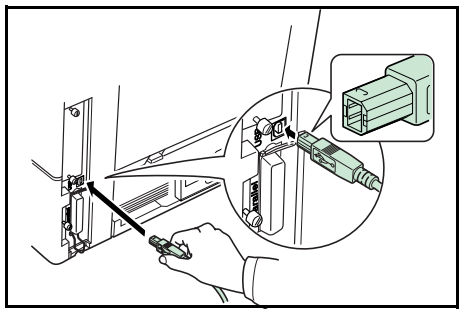
3 Connecting and Printing



Connections

Connecting the USB Cable

1 Connect the USB cable (not included) to the *USB Interface Connector*.

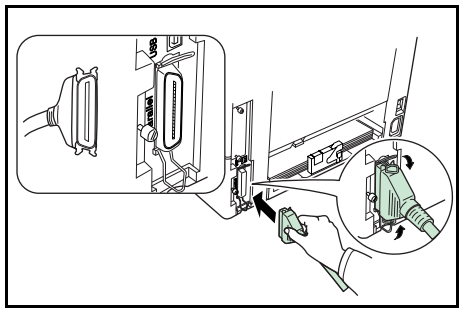


NOTE: Use a USB cable with a rectangular Type A plug and a square Type B plug. The USB cable should be shielded and no longer than 5 meters (16 feet) long.

2 Connect the other end of the USB cable to the computer's USB interface connector.

Connecting the Parallel Cable

1 Connect the printer cable (not included) to the *Parallel Interface Connector*.



NOTE: Use a parallel printer cable that complies with IEEE 1284 standards. For optimum performance, install the printer close to the computer. The connection cable should be shielded and no longer than 3 meters (10 feet) long.

2 Close the clips on both sides to fix the connector in place.

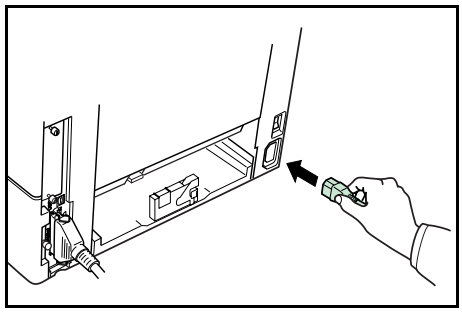
3 Connect the other end of the printer cable to the computer's parallel interface connector.

Connecting the Power Cord

Install the printer close to an AC wall outlet. If an extension cord is used, the total length of the power cord plus extension should be 5 meters (16 feet) or less.

NOTE: Ensure the printer's power switch is off. Only use the power cord supplied with the printer.

1 Connect the power cord to the *Power Cord Connector* at the rear of the printer.



2 Connect the other end of the power cord to a power outlet.

4 Select *Install KX Driver* and follow the on-screen instructions to complete the software installation.

5 Once the installation is complete, the *Printer Installed Successfully* dialog box displays.

Printing

Layout
Use to select duplex or to create multiple pages on a single sheet of paper. Also contains the scaling option.

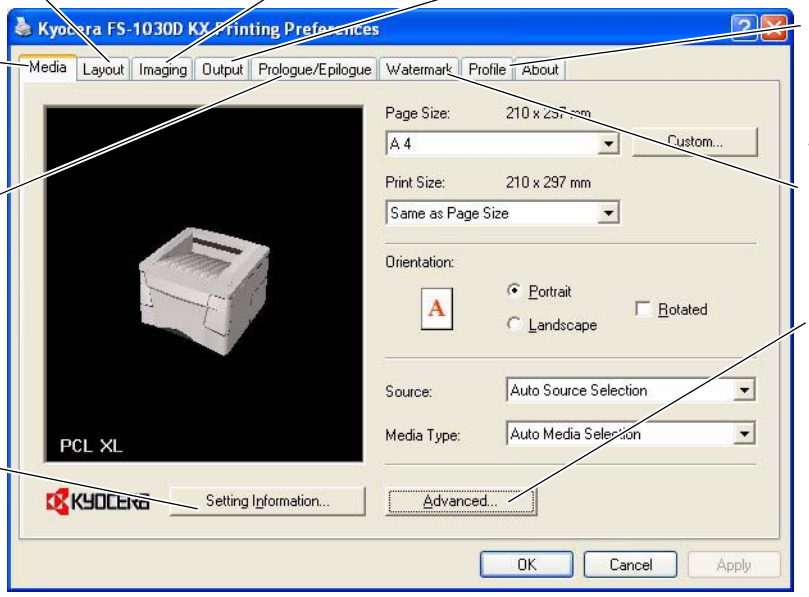
Imaging
Select this tab to change the print quality, and the font or graphic settings.

Output
Use to select the number of prints and the collate option.

Media
Use this tab to select the page size and orientation. The paper source is also selected.

Prologue/ Epilogue
This option incorporates the PRESCRIBE commands into the document.

Setting Information
Use this option to view a summary of the selected options in a tree format.



Profile
Use to save settings selected on the printer driver for regularly run jobs.

Watermark
Use to set up and add watermarks to your output.

Advanced
Use to add covers or page inserts to your output. You can also produce a set of transparencies with a blank or printed sheet interleaved using *Transparency Interleaving*.

Printing a Document

1 Ensure the paper required is loaded in the printer.

2 From the application *File* menu, select **Print**. The *Print* dialog box displays.

3 Select the drop down list of printer names. All the printers installed are listed. Select the **FS-1030D**.

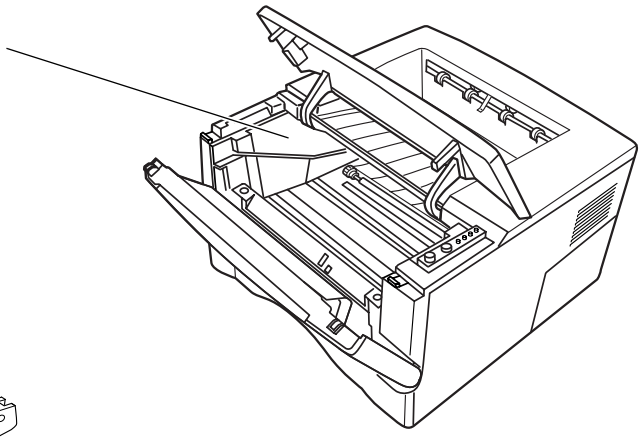
4 Select the options required, enter the number of copies required and if printing more than one set, select **Collate**.

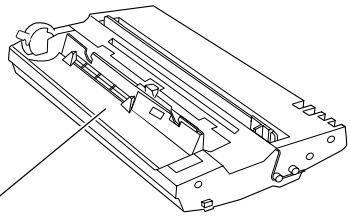
Select **OK** to start printing.

4 Maintenance

Cleaning Tasks

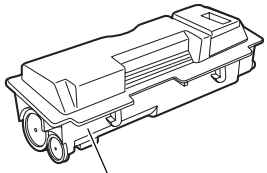
The printer should be cleaned on a regular basis to ensure optimum performance. Use a clean, lint free cloth to clean dust and dirt from the printer.





Process Unit

The process unit should be removed to allow for printer cleaning tasks. The charger wire should be cleaned using the *charger cleaner* every time the toner container is replaced.



Toner Container

The toner container will need replacing approximately every 7,200 pages. A starter toner container provides approximately 3,600 pages. (Assuming an average toner coverage of 5%.)

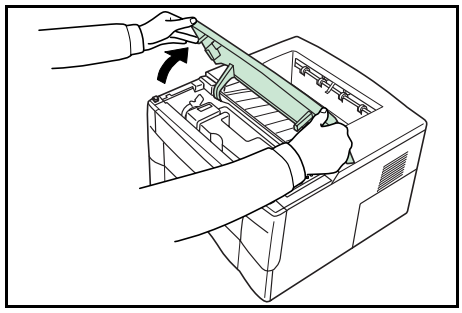
Maintenance task instructions are provided on the following pages.

Toner Container

To replace the toner container use the instructions below.

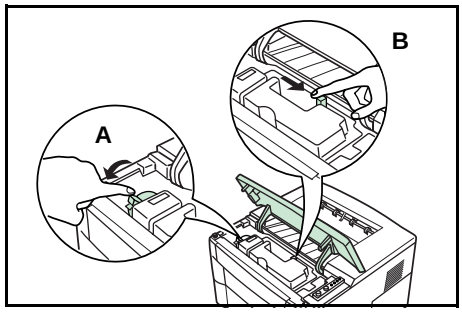
CAUTION: Do not attempt to incinerate the toner container. Dangerous sparks may cause burns. Do not attempt to force open or destroy the toner container.

1 Open the top cover.



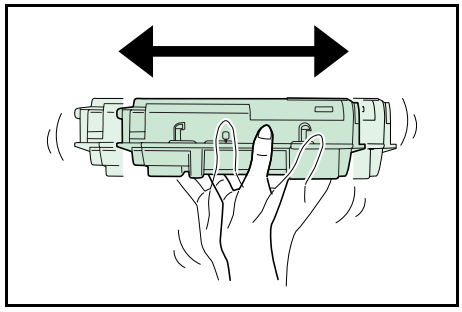
2 Turn lock lever A to the unlock position, push lock lever B to the right and pull out the toner container.

Place the used toner container in the plastic bag provided for disposal.

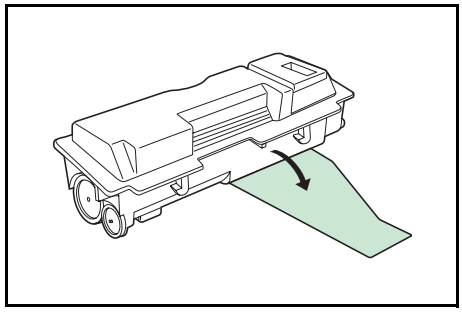


3 Remove the packaging from the new toner container.

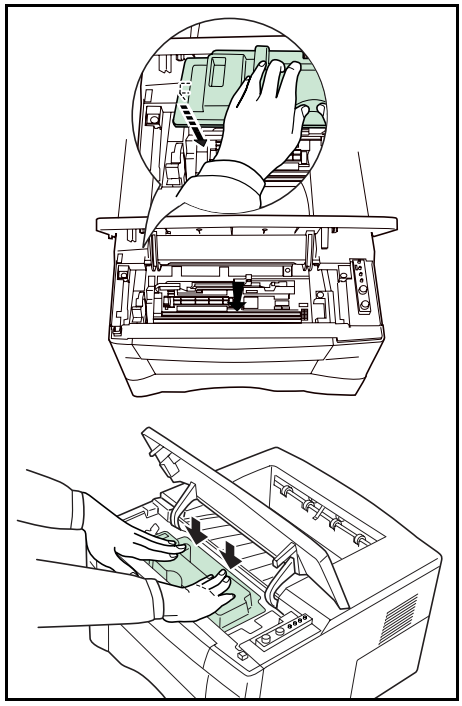
Shake the new toner container horizontally at least 5 times as shown in the figure in order to distribute the toner evenly.



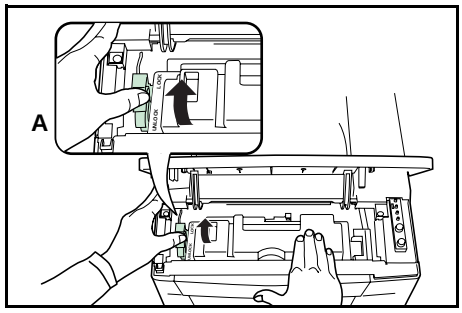
4 Remove the label from the toner container.



5 Install the new toner container in the printer. Push firmly on the top of the container at the positions marked **PUSH HERE**, until you hear a click.

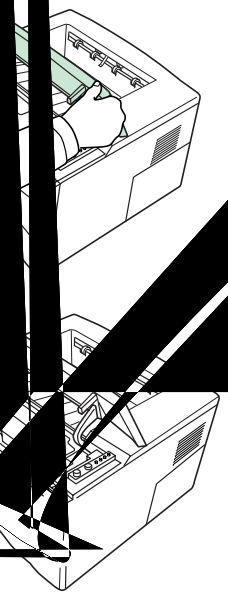


6 Turn lock lever A to the lock position and close the top cover.



C

er must be cleaned



I rocess unit light, never expose the process unit to light for more than five minutes.

3 Place the process unit flat on a clean, level surface.

IMPORTANT: Do not place the process unit on end.

Prolonged Non-Use and Moving the Printer

Prolonged Non-use

If you ever leave the printer unused for a long period of time, remove the power cord from the wall outlet.

We recommend you consult with your dealer about the additional actions you should take to avoid possible damage that may occur when the printer is used next time.

Moving the Printer

When you move the printer:

- Move it gently.
- Keep it as level as possible to avoid spilling toner inside the printer.
- Be sure to consult a service technician before attempting long-distance transportation of the printer.

WARNING: If you ship the printer, remove and pack the process unit in a plastic bag and ship them separately from the printer.

5 Troubleshooting

General Guidelines

The table below provides basic solutions for problems you may encounter with the printer. We suggest you consult this table to troubleshoot the problems before calling for service.

Symptom	Check Items	Corrective Action
The printer will not print from the computer	Check the ↻ indicator.	Using the information on *page 2* check if an error has occurred and clear the error.
	Check if a status page can be printed.	If the status page was printed successfully, there may be a problem with the connection to the computer. Refer to *page 11* and check the connection.
	Check the indicators display in a recognised combination, refer to *page 2* for further information.	Turn the power switch Off (O) and then On (|) again. Submit the print job again.
Print quality is poor		Refer to *page 22* for information.
Paper is jammed		Refer to *page 22* for information on jam clearance.
The indicators are off and the fan is not working	Check the power cable.	Connect both ends of the power cable securely. Try replacing the power cable. Refer to *page 12* for information.
	Check the power switch is in the On (I) position.	Refer to *page 12* for information.
The printer prints a status page but data from the computer is not being printed	Check program files and application software.	Try printing another file or using another print command. If the problem occurs with a specific file or application, check the printer settings for that application.
	Check the interface cable.	Connect both ends of the interface cable securely. Try replacing the printer cable. Refer to for *page 11* information.

If the problem persists or cannot be corrected, please contact your service technician.

Print Quality Problems

The table below describes potential print quality problems and the corrective action for each problem.

Printed Results	Corrective Action
All black pages	Contact your service technician.
Dropouts, horizontal streaks or stray dots	Clean the charger wire, refer to *page 18* for information.
Black or white vertical streaks	Check the toner container and if necessary replace. Refer to *page 18* for information.
	Clean the charger wire, refer to *page 18* for information.
	Check the charger cleaner is in its original position. Refer to *page 18* for information.
Faint or blurred printing	Check the toner container and if necessary replace. Refer to *page 16* for information.
	Clean the charger wire, refer to *page 18* for information.
Gray background	Check the toner container and if necessary replace. Refer to *page 16* for information.
	Check the process unit is installed correctly. Refer to *page 18* for information.
Dirt on the top edge or back of the paper	Check the registration roller is not soiled with toner. Refer to *page 18* for information.

Paper Jams

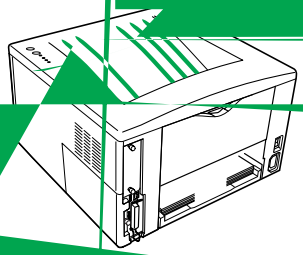
The printer will stop when a paper jam occurs in the printer or if paper is misfed. The printer will go offline and the attention indicator ( ) will fast flash.

Follow the instructions provided here to clear the jam. If paper jams occur frequently, try using a different type of paper, replace the paper using a new ream, or turn the paper over. Also, look for tiny pieces of paper which may have been left in the printer.

If the problem persists, contact your local service technician for assistance.

Output Tray and Rear Cover

1 If paper is not completely ejected into the output tray, open the rear cover and remove the jammed paper by pulling it out.



2 Open and close the top cover t

The printer warms up and r

Cassette

1 Pull out the cassette. R
partially fed paper.

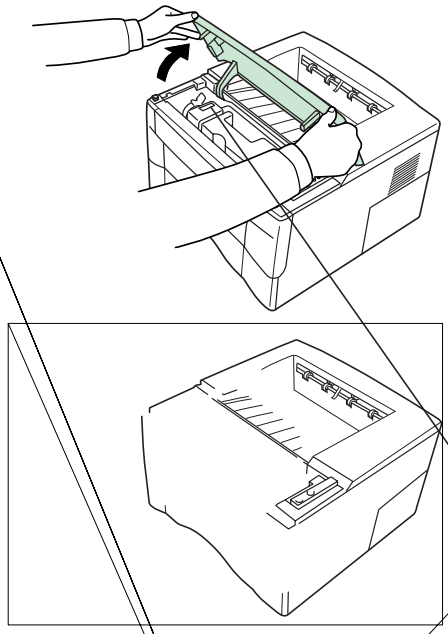
Check to see if p
correctly. If not,

2 Push

O The printer warms up and
r

MP T

2 Open the top cover and front cover.

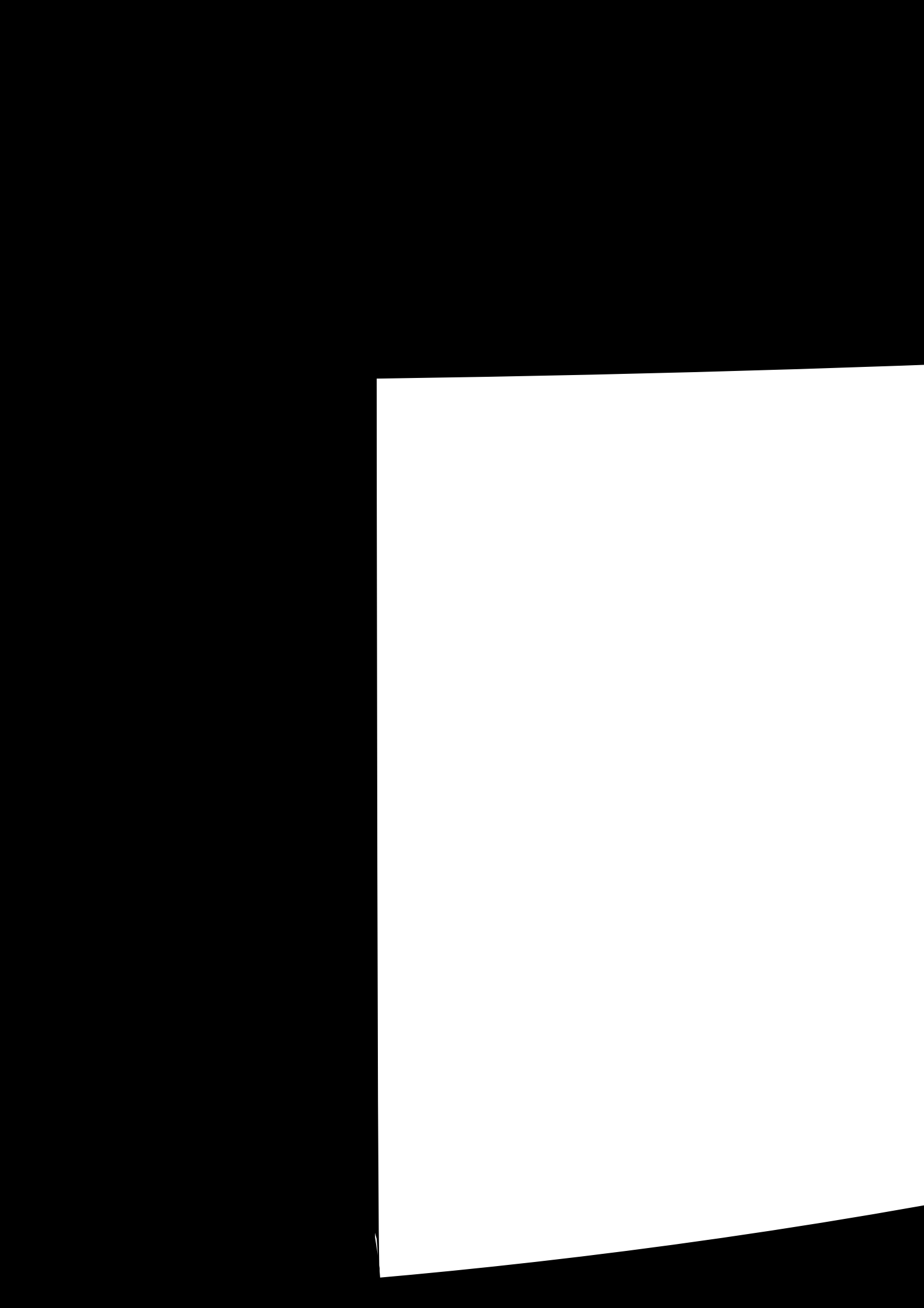


3 Lift the process unit together with the toner container out of the printer.

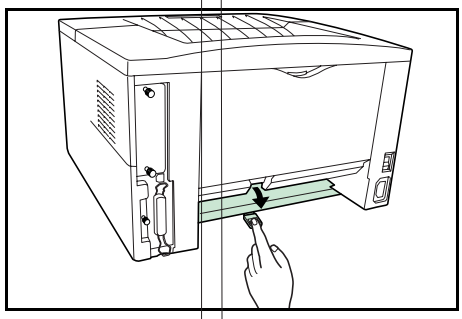
NOTE: The drum in process unit is sensitive to light. Never expose the process unit to light for more than five minutes.

4 If the jammed paper appears to be pinched by rollers, pull it along the normal running direction of the paper.

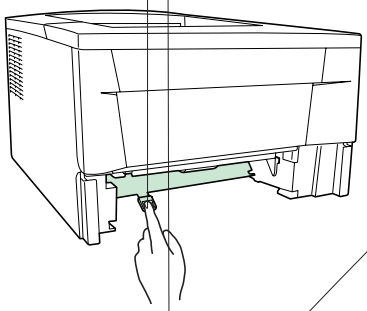
If it has not be fed as far as the metal registration roller, remove the paper from the MP tray side.



3 Open the duplexer's rear cover and remove any jammed paper.



4 Open the duplexer's front cover and remove any jammed paper.



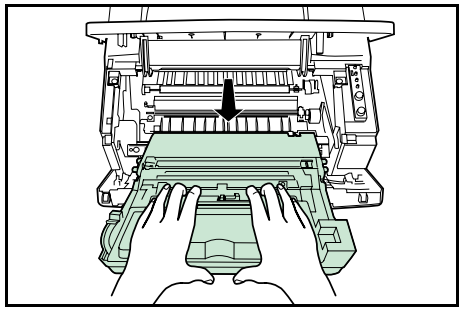
5 Insert the cassette into the slot in the printer.

6 Open and close the printer's top cover to clear the error. The printer then automatically warms up and resumes printing.

Printer

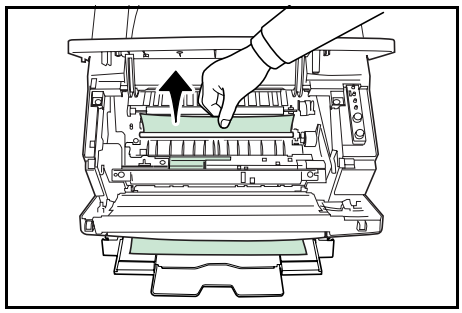
1 Open the top cover and front cover.

2 Lift the process unit together with the toner container out of the printer.

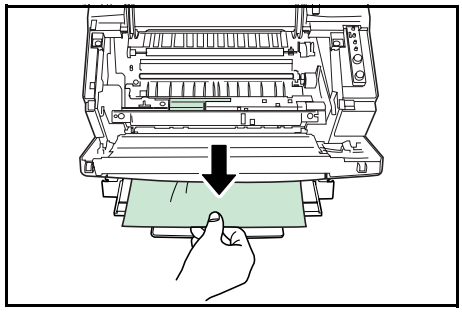


NOTE: The drum in process unit is sensitive to light. Never expose the process unit to light for more than five minutes.

3 If the jammed paper appears to be pinched by rollers, pull it along the normal running direction of the paper.

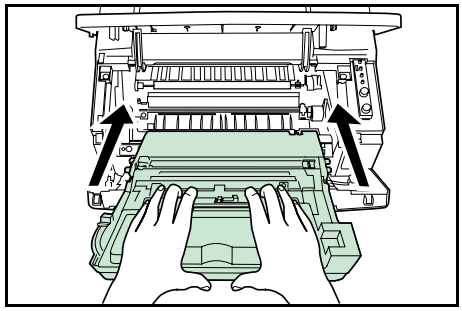


If it has not be fed as far as the metal registration roller, remove the paper from the MP tray side.



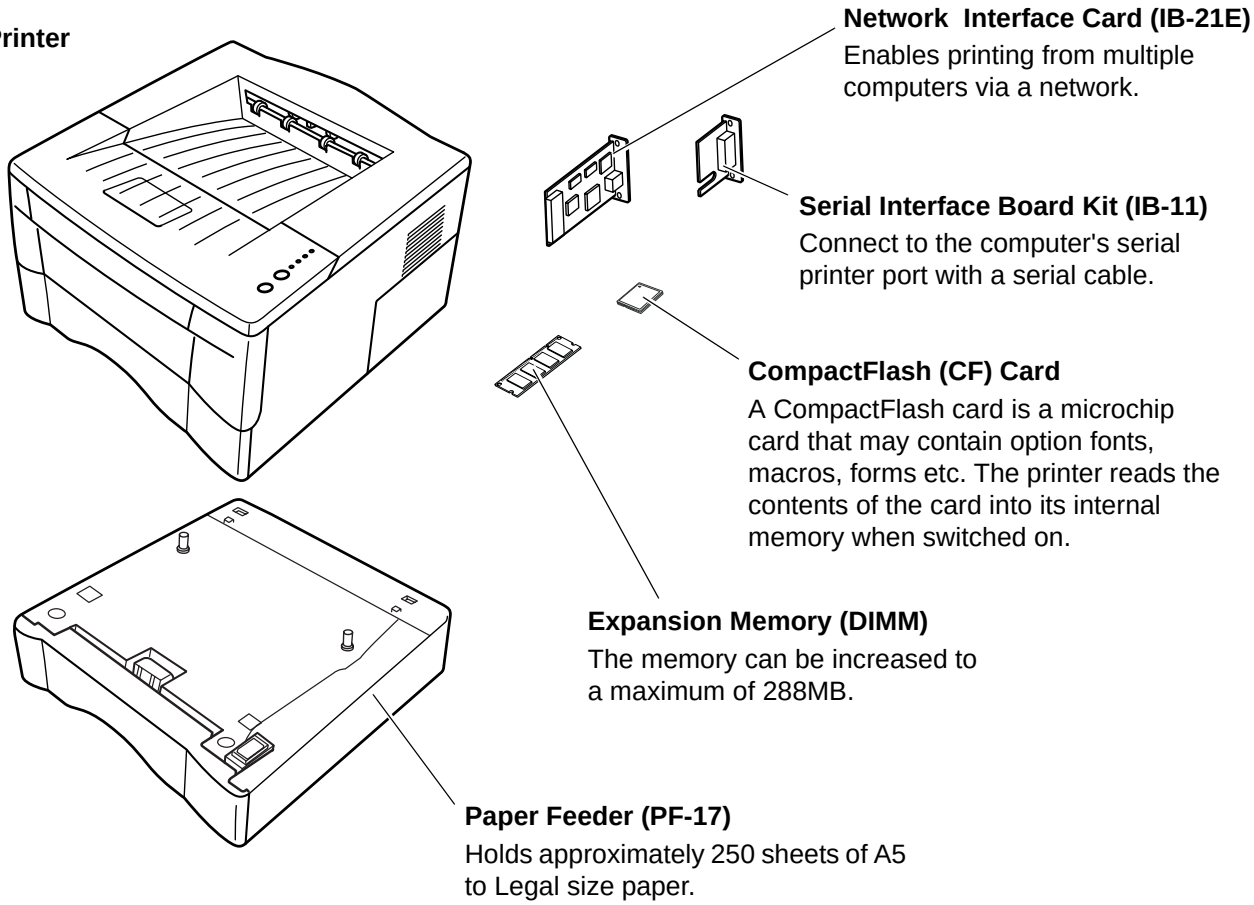
4 Insert the process unit together with the toner container, back machine.

Close the front cover and top cover. The printer warms up and resumes printing.



6 Options

The FS-1030D printer has the following options available to satisfy your printing requirements. For instructions on installing individual options, refer to the documentation included with the option. Some options are explained in the following sections.


Printer
Network Interface Card (IB-21E)
Enables printing from multiple computers via a network.
Serial Interface Board Kit (IB-11)
Connect to the computer's serial printer port with a serial cable.
CompactFlash (CF) Card
A CompactFlash card is a microchip card that may contain option fonts, macros, forms etc. The printer reads the contents of the card into its internal memory when switched on.
Expansion Memory (DIMM)
The memory can be increased to a maximum of 288MB.
Paper Feeder (PF-17)
Holds approximately 250 sheets of A5 to Legal size paper.

NOTE: Contact your dealer for information about purchasing the CompactFlash card and DIMM best suited for your printer.

Either the Network Interface Card or the Serial Interface Board can be installed in the printer.

Expansion Memory

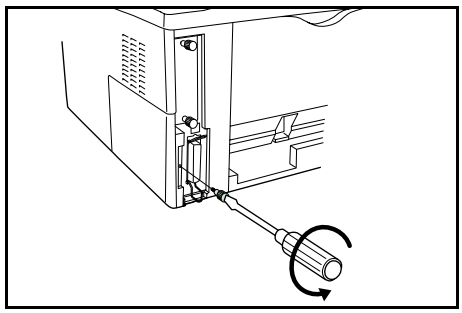
To expand the printer memory for more complex print jobs and faster print speed, you can plug in optional memory modules (DIMM) in the memory slot provided on the printer main controller board. You can select additional memory modules from 64, 128, or 256MB. The maximum memory size is 288MB.

NOTE: We recommend that expansion memory is installed by your dealer. We shall not be liable for any damages caused by improper installation of expansion memory.

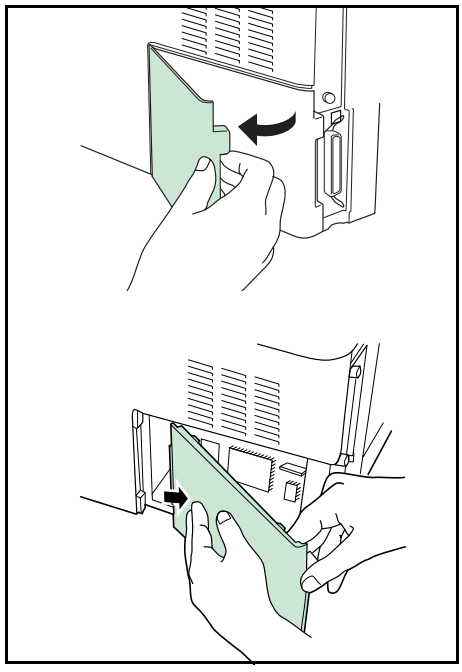
Installing the DIMM

To install the DIMM, switch off the printer's power, unplug the power cord and disconnect the printer from the PC.

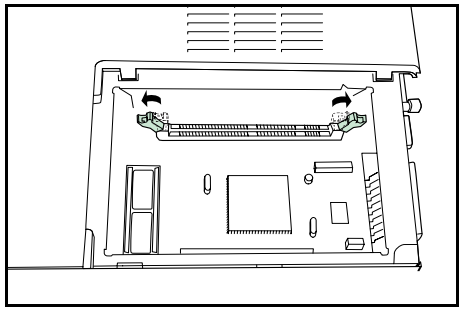
1 Remove the screw from the rear of the printer.



2 Remove the side cover as shown in the figure.

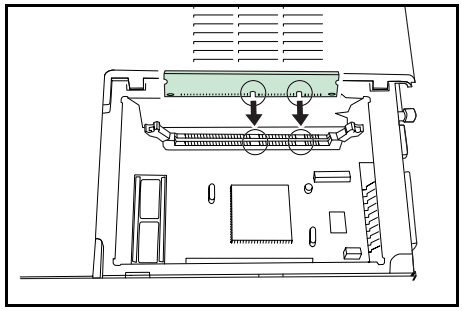


3 Open the clips on both ends of the DIMM socket.

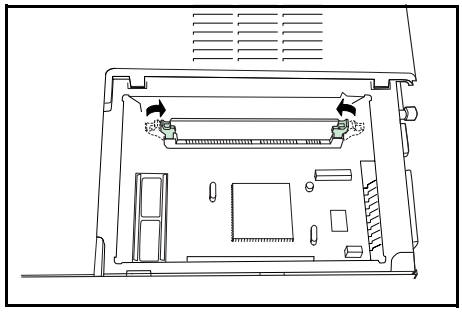


4 Remove the DIMM from its package.

5 Insert the DIMM into the DIMM socket so that the notches on the DIMM align with the corresponding protrusions in the slot.



6 Close the clips on the DIMM slot to secure the DIMM.



7 When you have finished installing the DIMM, replace the side cover and fasten it with the screw.

Setting the Printer Driver

After you install the additional memory to the printer, follow the instructions below to set the printer driver so that the printer can use the memories efficiently.

1 Click the Windows **Start** button, and then click **Printers and Faxes**.

2 Right click the **Kyocera Mita FS-1030D KX** icon, and click **Properties**. The **Properties** dialog box will open. Click the **Device Settings** tab.

3 Enter the total memory size installed to the printer (up to 288MB) in the **Memory** box.

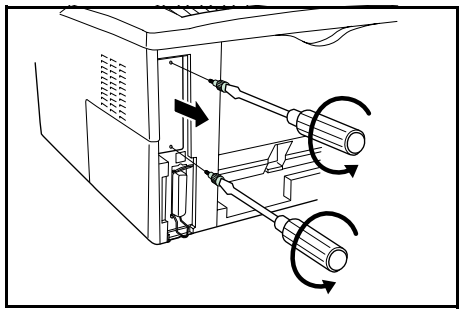
CompactFlash (CF) Card

The printer is equipped with a slot for a CompactFlash card with the maximum size of 256MB. A CompactFlash card is useful for storing fonts, macros, and overlays. You can use the IC Link for Windows utility to download fonts, etc., to a CompactFlash card. This software is included in the CD-ROM supplied with the printer.

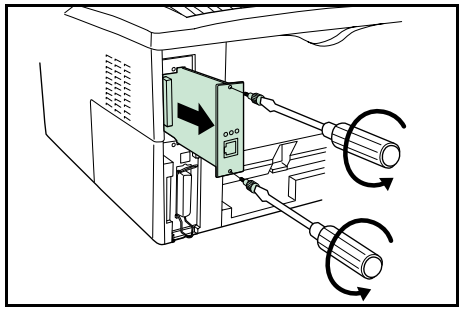
IMPORTANT: Before inserting a CompactFlash card in the printer, make sure that the printer is switched off.

1 Turn off the printer.

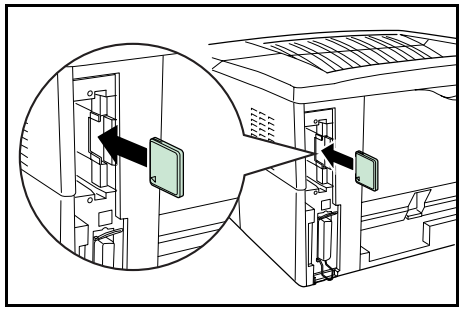
2 Remove the option interface slot cover.



When the Network Interface Card or the Serial Interface Board is installed, remove it.



3 Insert the CompactFlash card in the slot. Insert as shown in the figure. Push it in all the way.



4 Close and secure the slot cover. If the Network Interface Card or the Serial Interface Board is removed in the step 2 above, reinstall and secure the card or the kit.

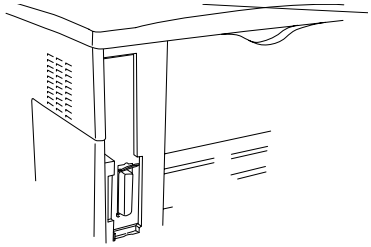
Network Interface Card (IB-21E)

The Network Interface Card supports TCP/IP, IPX/SPX, NetBEUI and Appletalk protocols, so that the printer can be used on network environments including Windows, Macintosh, UNIX, NetWare, etc.

NOTE: If the Serial Interface Board is installed, remove it to use the Network Interface Card.

1 Turn off the printer and disconnect the power cord and printer cable.

2 Remove the option interface slot cover.



3 Insert the Network Interface Card and secure it with the screws removed in step 2.

7 Specifications

NOTE: Specifications are subject to change without notice.

Item	Description
Printing Method	Electrophotography using laser scan
Printing speed - 1-sided printing - 2-sided printing	 22 pages/minute (A4 size/Plain) 23 pages/minute (Letter size/Plain) 11 pages/minute (A4 size/Plain) 12 pages/minute (Letter size/Plain) When printing multiple copies of the same page
Paper Sizes - Cassette - MP Tray	 A4, B5 (JIS), A5, Folio, Legal, Letter, Oficio II, Executive, B5 (ISO), Envelope C5, 16K, Other 148 × 210 to 216 × 356mm (4.1 × 8.3" to 8.5 × 14") Duplex printing is only available for A4, Letter, or Legal size. A4, B5 (JIS), A5, Folio, Legal, Letter, Oficio II, Statement, Executive, A6, B6, B5 (ISO), Envelope C5, Envelope #10, Envelope #9, Envelope #6, Envelope Monarch, Envelope DL, 16K, Other 70 × 148 to 216 × 356mm (2.8 × 5.8" to 8.5 × 14")
Paper Types - Cassette - MP Tray	 Plain paper, recycled paper, thick paper 60 to 105g/m^2 (16 to 28 lbs) Plain paper, recycled paper, thick paper 60 to 163g/m^2 (16 to 43 lbs) Transparency, adhesive backed labels, envelopes and post cards supported
Paper Feed Source Capacity - Cassette/ - MP Tray	 250 sheets 50 sheets
Output Tray Capacity	250 sheets (80g/m^2), 200 sheets (duplex printing)
Warm-up Time (23°C, 50%RH)	15 seconds or less (power on), 10 seconds or less (sleep)
First Print	10 seconds or less
Resolution	Fast 1200 mode 600 dpi (vertical and horizontal) with KIR (Kyocera Image Refinement)
Toner saving	EcoPrint mode
Waste toner capacity	More than 100,000 pages (with 5% print coverage)
Monthly Duty	Average 2,000 pages, Maximum 20,000 pages
Controller	PowerPC 405 266MHz

Item	Description
Memory	
- Standard	32MB
- Maximum	288MB
Interfaces	
- Parallel	1 (IEEE 1284)
- USB	1 (Full-Speed USB)
- Option	IB-11: Serial interface board IB-21E: Network interface card (10BASE-T/100BASE-TX)
Operating Environment	
- Temperature	10 to 32.5°C
- Relative Humidity	20 to 80% RH
- Altitude	2,500m maximum
- Illumination	1,500 lux maximum
Dimensions (W) × (H) × (D)	378 × 235 × 375mm 14.9 × 9.3 × 14.8"
Weight	Approx. 10.5 kg / 23.2 lbs
Operating noise (in accordance with ISO 7779 [Bystander Position, sound pressure level at the front])	≦ During printing: LpA = 53dB (A) ≦ During standby: LpA = 28dB (A) ≦ During sleep mode: Immeasurably low

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